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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/600,341	06/23/2003	Anderson Lin	LINA3007C2/BEU	6570
23364	7590	02/09/2005	EXAMINER	
BACON & THOMAS, PLLC 625 SLATERS LANE FOURTH FLOOR ALEXANDRIA, VA 22314			NGUYEN, PHUONGCHI T	
			ART UNIT	PAPER NUMBER
			2833	

DATE MAILED: 02/09/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

10/600,341

Applicant(s)

LIN ET AL.

Examiner

Phuongchi Nguyen

Art Unit

2833

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☐ Responsive to communication(s) filed on \_\_\_\_.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-4 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1 and 2 is/are rejected.
- 7) ☒ Claim(s) 3 and 4 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |   |   |
|---|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)                        | 4) <input type="checkbox"/> Interview Summary (PTO-413)                     |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)    | Paper No(s)/Mail Date. ____.  |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date ____.   | 6) <input type="checkbox"/> Other: ____.                                    |

### DETAILED ACTION

1. Applicant's amendment of November 17, 2004 is acknowledged. It is noted that claims 1-3 are amended.

#### *Claim Rejections - 35 USC § 102*

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claims 1-2 are rejected under 35 U.S.C. 102(b) as being anticipated by Hirai (1755493477).

in regarding to claim 1, Hirai discloses (figure 2) a PC cartridge having enhanced front connecting structure, comprising an upper shell (3, adjacent 12); a bottom shell (3, 1), a plurality of packing rubbers (1a, 1a) located at two sides of the bottom shell (3, 1); a plurality of connection ports (9, 10) having a front connection port (adjacent 9) and a rear connector (adjacent 10), a plurality of folded hooks (11<sub>2</sub>) with n-shaped structure at two front corner of the upper shell (3) wherein the plurality of folded hooks (11<sub>2</sub>) are on the same side of the front connection port (adjacent 9); and a plurality of retaining slots (6<sub>2</sub>) at the front ends of the packing rubbers (1a, 1a) for engaging with the plurality of folded hooks (11<sub>2</sub>), wherein the plurality of retaining slots (6<sub>2</sub>) are on the same side of the front connection port (adjacent 9) . "for connecting a computer or other peripheral circuit" and "for connecting cables" are not positively recited.

In regarding to claim 2, Hirai discloses the PC cartridge (figure 2) wherein a circuit board

(2) having predetermined software and data stored therein (by IC) located between the upper shell (3) and the bottom shell (3, 1).

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure: Anhalt et al (1755572408), Cox et al (US6191950), Lin (1756049462), and Kimura et al (U56269537) are cited to show in the PC cartridge having the plurality of flanges on the sides of the connector housing.

***Allowable Subject Matter***

4. Claims 3-4 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

***Responses to Arguments***

5. Applicant argues that “The Hirai patent does not disclose a cartridge in which the rear of the upper shell is snapped into the packing rubbers” is not deemed persuasive; because this limitation is not recited in claims 1-2.

6. Applicant argues that “The Hirai patent does not disclose ... the front of the upper shell is provided with hooks at its corners and corresponding slots that are on the same side as the front connection port” is not deemed persuasive; the Hirai patent does have the front of the upper shell (3) is provided with hooks (11<sub>2</sub>) at its corners and corresponding slots (6<sub>2</sub>) that are on the same side as the front connection port (adjacent 9) as seen in figure 2.

7. Applicant argues that “The different functions of the claimed hooks 11<sub>2</sub> of Hirai is apparent from the fact that the hooks of the claimed invention are situated at “corners” of the cartridge, whereas the hooks 11<sub>2</sub> of Hirai are situated closer to the middle of the so-called “front”

end” is not deemed persuasive; because “corners” as claimed is so broadly recited; it can be understood as at the edges or the areas adjacent to the edges of the cartridge.

***Conclusion***

**THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Phuongchi Nguyen whose telephone number is (571) 272-2012. The examiner can normally be reached on 8:00AM-4:00PM.


If attempts to reach the examiner by telephone are unsuccessful, the examiner’s supervisor, Paula Bradley can be reached on (571) 272-2800 ext 33. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Art Unit: 2833

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

PCN

February 1, 2005



ROSS GUSHI  
PRIMARY EXAMINER